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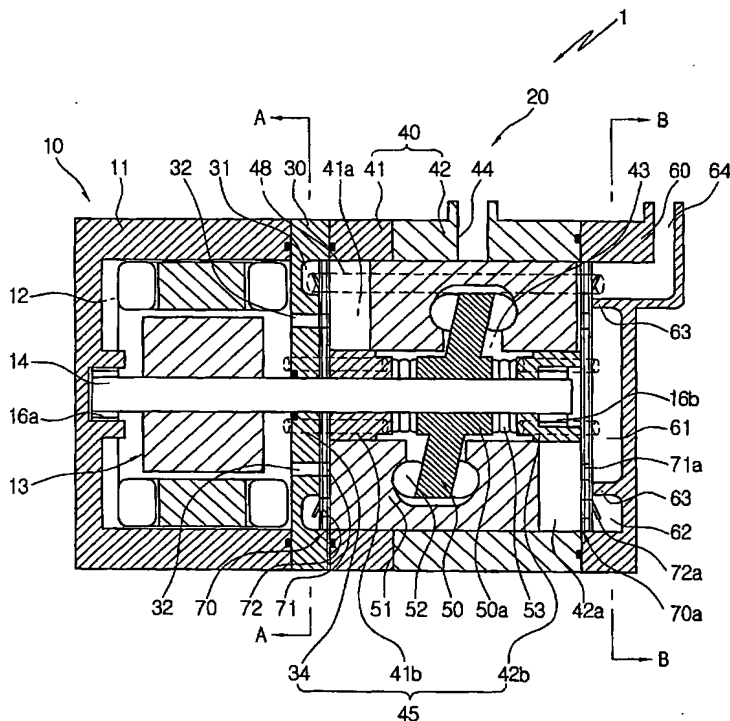
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(54) Title: MOTOR DRIVEN COMPRESSOR



(57) Abstract: A motor driven compressor which can use refrigerant sucked into a swash plate chamber of the compressor to efficiently cool an electric motor, in which a motor unit (10) has an electric motor (13) installed in an inside motor room (12) for rotating a drive shaft (14) and a compressor unit (20, 120) is installed at one side of the motor unit (10). The compressor unit (20, 120) comprises: a front housing (30, 130) having at least a discharge chamber (31, 131) therein; a rear housing (60, 160) having a suction chamber (61, 161) and a discharge chamber (62, 162) formed therein, the suction chamber (61, 161) being partitioned from the discharge chamber (62, 162), and a refrigerant discharge port (64, 164) formed at one side communicating with the discharge chamber (62, 162); a cylinder block coupled between the front housing (30, 130) and the rear housing (60, 160) and having a plurality bores (41a and 42, 141a and 142a) formed at both sides of the swash plate chamber (43, 143) and a refrigerant suction port (44, 144) formed at one side thereof; a swash plate (50, 150) placed in the swash plate chamber (43, 143) and coupled with the drive shaft (14) and a plurality of double head pistons (51, 151) for reciprocating within the bores (41a and 42, 141a and 142a) in cooperation with the rotation of the swash plate (50, 150); and feeding

means (17, 45, 145) for feeding refrigerant from the swash plate chamber (43, 143) partially into the suction chamber (61, 161) of the rear housing (60, 160).

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